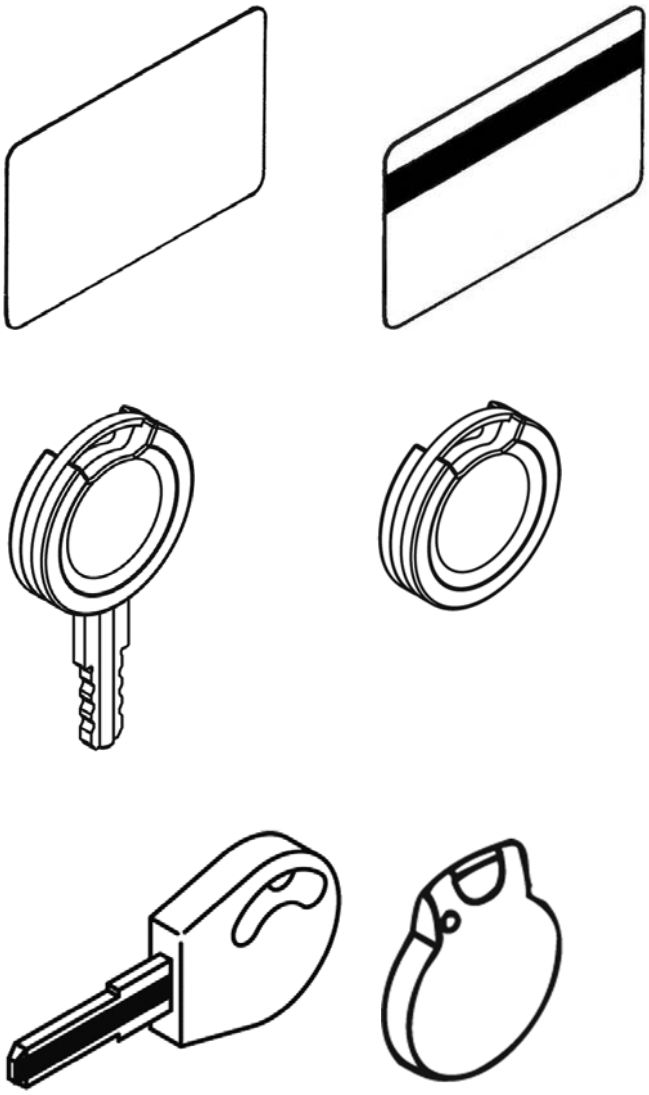
Operating instructions

Identifiers



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1 Introduction

About these instructions

These instructions contain important notes and information on operation of the identifiers.

- Read through the instructions carefully and attentively.
- Keep the instructions in a safe place and pass them on to each subsequent user of the identifiers.

Explanation of the Symbols and Signal Words Used

⚠ WARNING	Indicates risks which could result in fatal or severe personal injuries.
⚠ CAUTION	Indicates risks which could result in fatal or severe personal injuries.
CAUTION	Indicates risks which could result in damage to property.
Note	Denotes information, notes and tips on optimum use of the instructions and the product.

Target group

These instructions are directed at all users of the identifiers.

OPERTIS Support

If you have any questions extending beyond the information provided in these instructions, please contact

OPERTIS GmbH
Prof.-Bier-Straße 1-5
D-34454 Bad Arolsen

Tel.: +49 5691 87741-200
Fax: +49 5691 87741-281
E-Mail: support@opertis.de

Up-to-date status of the information

All details on the product, images, dimensions and models correspond to the status at the time the product is delivered. We reserve the right to make changes due to technical progress and the resulting continuous improvement process to which our products are subjected.

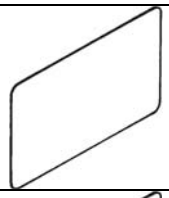
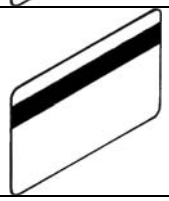
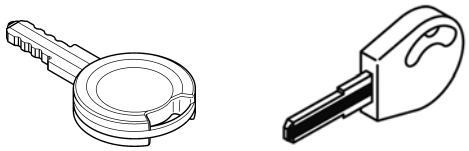
The current version of these instructions and further information is also available on our internet site www.opertis.de.

Dated 05/2012

2 Product Description

Overview

The following identifiers are described in these instructions:

Art. No. / Name	Drawing
ES593x ES7910... Card	
ES5940 ES7911... Card with magnetic strip	
ES5950 ES7930... Key	
ES5920 ES7940... Key fob	

Versions of the identifiers

A differentiation is made between the following variations:

Art. No.	Description
ES593**2** ES79xx**BE**x	Card blank/unprinted, surface glossy, suitable for printing with thermotransfer or thermo sublimation printing methods
ES593**1** ES79xx**HE**x	Card printed, Surface glossy
ES79xxxx**K**	Identifier without additional third party transponder
ES79xxxx**L**	Dual identifier with EM4450 transponder and additional LEGIC® transponder for identification in external LEGIC® systems
ES79xxxx**M**	Dual identifier with EM4450 transponder and additional Mifare® transponder for identification in external Mifare® systems

Detailed information

Further information on the product is given in Section 8 "Product Specifications".

Functional principle

The identifiers can be used at all electronic fittings in an OPERTIS lock system. They do not have their own power supply. The identifier has an integrated writable passive transponder (Type EM4450, 125 kHz RFID). On request, transponders of third party transponder systems can also be integrated.

The key is inserted in the electronic lock cylinder for identification. Identification at all other fittings takes place by simply holding the identifier in front of the fitting antenna.

The key has an information line with contacts for secure communication with the electronic lock cylinders as well as an RFID transponder for contact-free communication with all other fittings.

3 Intended Use

Area of use

The identifiers are designed for identifications at fittings in an OPERTIS lock system. This is done by:

- Holding card, key or key fob in front of antenna
- Inserting the key

Condition of the product

The identifiers may only be used if they are in a technically perfect condition.

Independent modifications and changes to the product are not allowed.

Residual risk

If used properly and if the maintenance instructions are followed, this product will support your property security.

If the electronic components integrated in the identifier for identification at the fitting should fail there is a risk of being locked in or out. In this case, please contact OPERTIS Support.

In this case the door can only be opened as follows:

- With mechanical aids from the outside and inside.
- Identification with another identifier authorised at the fitting.

4 Safety Instructions

The following safety instructions must be read and followed before use! OPERTIS does not accept any liability whatsoever for personal losses or injuries or damage to property caused by failure to note and follow these instructions!

CAUTION

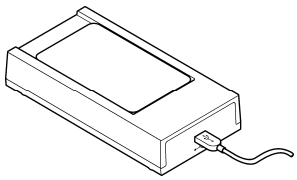
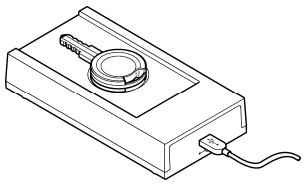
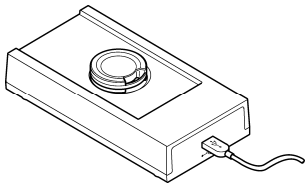
Risk of damage to property

Use of cleaning agents and maintenance products which have not been approved can result in damage.

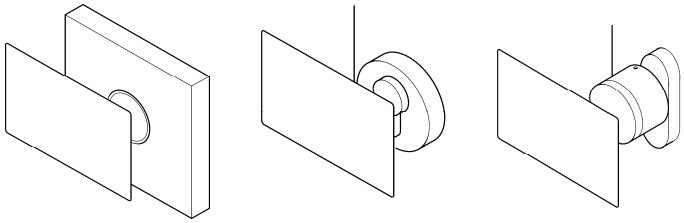
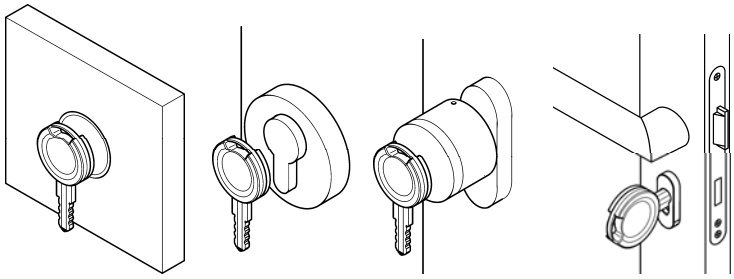
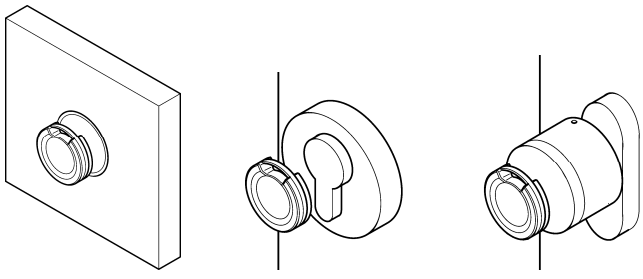
The surfaces may only be cleaned with suitable cleaning agents. Please note and observe the notes in Section 6 "Servicing, Cleaning and Maintenance".

5 Use and Operation

Programming the identifiers

Description	Art. No. / Name	Figure
Identifiers are programmed using the eLOCK Center management software or in the eLOCK AddDelete system using programming ITs. Detailed information on this is given in the eLOCK system documentation software.	Card	
	Key	
	Key fob	

Hold identifiers in front of fitting

Art. No. / Name	Figure
Card	
Key	
Key fob	

6 Servicing, Cleaning and Maintenance

The servicing, cleaning and maintenance may be carried out by qualified personnel only.

Warranty cover is excluded for damage caused by improper handling.

Servicing

The identifiers doe not require servicing.

Cleaning and maintenance

CAUTION

Risk of personal injuries and malfunctions

The transfer of information from the key to the electronic cylinder takes place via the contact tip of the key. Heavy soiling of the key can prevent this communication so that is possible for people to be locked in or out. Clean the keys regularly.

CAUTION

Damage to property due to incorrect cleaning

Incorrect cleaning can cause the surfaces to be attacked and damaged:

- Do not use any alkali or acidic cleaning agents or cleaning agents containing chlorine.
- Do not use cleaning agents with scouring additives.
- Do not use scouring instruments, e.g. brushes.

Proceed as follows:

Step	Activity	Figure
1	Wipe surfaces with a damp cloth.	

7 Problems and Solutions

Problem	Possible cause	Solution
Programmed fitting does not close or open.	Identifier is not programmed or does not have the necessary (time) authorisations.	Program identifier, see eLOCK system documentation software.
	Identifier has been replaced by a successor identifier.	Use successor identifier.
	Contact tip on the key is dirty.	Clean contact tip.
	Identifier is defective.	Replace identifier.
	Battery of the fitting is flat.	Replace battery.
	Fitting is defective.	Replace fitting.
	Interference fields (e.g. mobile phone) affect communications between the identifier and fitting.	Remove interference field.
Each identifier is authorised to lock.	Fitting is not programmed ("construction site mode").	Program fitting, see eLOCK system documentation software.

8 Product Specifications

Declaration of conformity

OPERTIS GmbH herewith declares that the Identifiers fulfil the basic standards and other relevant specifications of the 1999/5/EG and 2002/95/EG directives and that they are CE compliant.

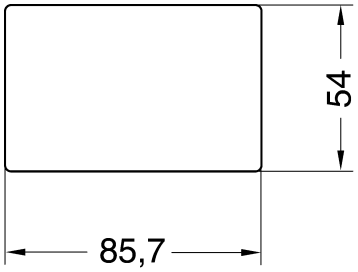
A copy of the statement of conformity can be ordered from the OPERTIS Support.

Dimensions

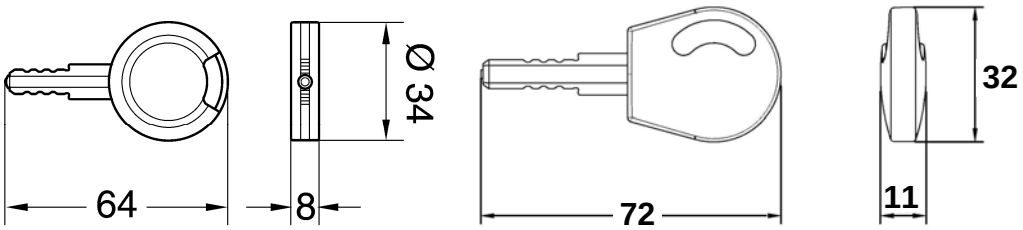
All dimensions are given in mm.

Card

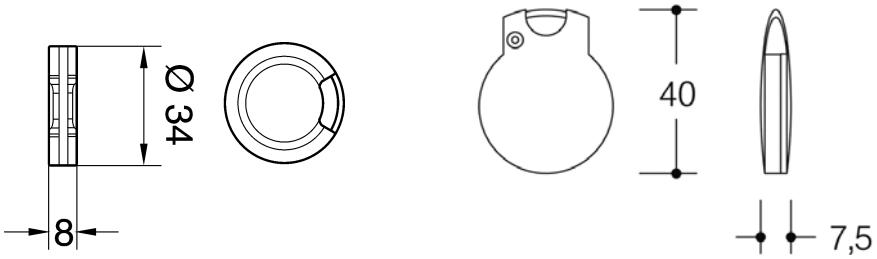
Dimensions according to ISO 7810



Key



Key fob



Technical data

Surface (keys and key fobs)

(Key) bow	Plastic
Decorative ring	Stainless steel
Available colour	**ES5950:** Polyamide surface Nr. 92 (anthracite grey) **ES5920, ES7930:** Polyamide surface Nr. 90 (jet black)

Specific data

Operating and storage temperature	**Cards:** -20 °C to +50 °C **Keys, key fobs:** -20 °C to +75 °C
Air humidity for operation and storage	max. 95 % non-condensing
Degree of protection according to EN 60529	IP67
Scanning distance (non-contact)	depends on fitting used

9 Disposal

Product

Disposal in accordance with WEEE Directive 2002/96/EC:

- Do not dispose of product by throwing it in the local household waste.
- Return product to OPERTIS or dispose of at a municipal collection point for hazardous electrical wastes.

Product packaging

Dispose of the product packaging in the local household and paper waste disposal system.

OPERTIS GmbH
Prof.-Bier-Straße 1-5
D-34454 Bad Arolsen

Telefon: + 49 5691 87741-0
Telefax: + 49 5691 87741-310

info@opertis.de
www.opertis.de

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